

Appl. No. 09/851,599  
 Amdt. dated May 23, 2006  
 Reply to Office Action of May 8, 2006

PATENTAmendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1-13. (Canceled).

14. (Currently Amended): An information ~~recording/reproducing~~ repairing method  
 for a recording apparatus for recording picture/sound data and management information for said  
picture/sound data on a disk, said method comprising: characterized in that control means is  
provided for controlling operations in general inclusive of said recording and reproduction and  
storing means is provided for storing statuses, wherein said control means is so arranged as to  
storing status discriminating information indicative of an operating statuses such  
as for recording the picture/sound data and the management information in said recording  
apparatus; , reproduction, edition and the like, and wherein upon activation, said control means  
reading out said stored status discriminating information after starting said  
recording apparatus; and from said storing means to analyze said picture/sound data in  
accordance with said status discriminating information for thereby correcting said management  
information and said picture/sound data themselves into information and data each of proper  
format themselves into information and data each of proper format  
repairing the management information if said operating status corresponds to  
recording of said management information and repairing the picture/sound data if said operating  
status corresponds to recording of the picture/sound data.

15. (Currently Amended): An information repairing method set forth in claim  
 14, further comprising:  
acquiring the management information if characterized in that when it is decided  
on the basis of said status discriminating information read out from said storing means that  
information succeeding to a specific location a part of information of said picture/sound data is  
not reflected yet in said management information; and

Appl. No. 09/851,599  
Amdt. dated May 23, 2006  
Reply to Office Action of May 8, 2006

PATENT

7                    analyzing a location where said picture/sound data is not reflected in said  
8   management information and repairing ~~by acquiring the information from~~ said management  
9   information.

16-23. (Canceled).

1                    24.    (New): An information repairing method set forth in Claim 14, wherein  
2   said status discriminating information is stored in a nonvolatile memory.

1                    25.    (New): An information repairing method set forth in Claim 14, wherein  
2   said picture/sound data is encoded and multiplexed by a predetermined encoding scheme.

1                    26.    (New): An information repairing method set forth in Claim 14, wherein  
2   the management information is recorded in said disk after completion of the recording of the  
3   picture/sound data.

1                    27.    (New): An information repairing method set forth in Claim 14, wherein  
2   said recording apparatus records the status discriminating information indicative of the operating  
3   status after interruption of power supplied to said recording apparatus.

1                    28.    (New): An information repairing method set forth in Claim 14, wherein  
2   said picture/sound data includes one or more units with each unit comprising a plurality of packs.

1                    29.    (New): An information repairing method set forth in Claim 15, wherein  
2   said picture/sound data includes one or more units with each unit comprising a plurality of packs,  
3   said method further comprising:

4                    analyzing the picture/sound data for each pack which is not reflected yet in said  
5   management information;

6                    deleting a unit including a pack containing a defect from the picture/sound data  
7   when said pack containing the defect is detected; and

8                    modifying the management information in accordance with the picture/sound data  
9   from which said unit is deleted.

Appl. No. 09/851,599  
Amdt. dated May 23, 2006  
Reply to Office Action of May 8, 2006

PATENT

1                   30.   (New): An information repairing method set forth in Claim 14, wherein  
2   said picture/sound data includes a series of objects including a first unit, a second unit and a third  
3   unit, and wherein said first unit and said third unit comprise independent objects if said second  
4   unit is deleted by repairing the picture/sound data.

1                   31.   (New): An information repairing method set forth in Claim 14, wherein  
2   said status discriminating information includes an operating status indicating that the  
3   picture/sound data is recorded on the disk, an operating status indicating that the management  
4   information is recorded on the disk, and an operating status indicating that information is not  
5   recorded on the disk.

1                   32.   (New): An information storage apparatus for storing information, said  
2   apparatus comprising:  
3                   a first storage unit configured to store a moving picture or a still picture;  
4                   a second storage unit configured to store management information corresponding  
5   to said moving picture or still picture stored in said first storage unit;  
6                   a third storage unit configured to store an access status to said first storage unit  
7   and said second storage unit; and  
8                   a processing unit configured to:  
9                   analyze the moving picture or the still picture stored in said first storage unit  
10   based at least on information stored in said third storage unit indicative of whether the moving  
11   picture or the still picture is stored,  
12                   delete the management information stored in said second storage unit based at  
13   least on information in said third storage unit indicative of whether the moving picture or the still  
14   picture is edited, and  
15                   modify the management information in accordance with the moving picture or the  
16   still picture stored said first storage unit.

Appl. No. 09/851,599  
Amdt. dated May 23, 2006  
Reply to Office Action of May 8, 2006

PATENT

1                   33. (New): An information storing apparatus set forth in Claim 32, further  
2 comprising a fourth storage unit configured to store a backup of said management information,  
3 wherein said processing unit is further configured to:

4                   repair the information stored in said first and second storage units based at least  
5 on information stored in said fourth storage unit when information indicative of whether the  
6 management information is stored exists in said third storage unit,

7                   modify the information stored in said second storage unit based at least on the  
8 information stored in said fourth storage unit when information indicative of whether the  
9 management information is edited exists in said third storage unit, and

10                  modify the information stored in said fourth storage unit based at least on the  
11 management information stored in said second storage unit if information indicative of whether  
12 the backup of the management information is executed exists in said third storage unit.

1                   34. (New): An information storage apparatus set forth in Claim 32, wherein  
2 said management information stored in said second storage unit is stored in said first storage unit  
3 after the corresponding moving picture or still picture is stored in said first storage unit.

1                   35. (New): An information storage apparatus set forth in Claim 32,  
2 wherein the information stored in said first storage unit includes one or more units  
3 with each unit comprising a plurality of packs; and

4                   wherein said processing unit is further configured to erase a unit including a pack  
5 containing a defect if said pack containing the defect is erased, and modify the management  
6 information to include information that said unit is erased.

1                   36. (New): An information storage apparatus set forth in Claim 32, wherein  
2 the information stored in said first storage unit includes a series of objects including a first unit, a  
3 second unit and a third unit, and wherein said processing unit is further configured to modify the  
4 information stored in said first storage unit or said second storage unit so that said first unit and  
5 said third unit are independent from each other if said second unit is erased.

Appl. No. 09/851,599  
Amdt. dated May 23, 2006  
Reply to Office Action of May 8, 2006

PATENT

37. (New): An information storage apparatus for storing information, said apparatus comprising:

- a first storage unit configured to store a moving picture or a still picture;
- a second storage unit configured to store management information corresponding to said moving picture or still picture stored in said first storage unit; and
- a third storage unit configured to store an access status to said first storage unit and said second storage unit;

wherein said third storage unit is further configured to store information indicative of whether the moving picture or the still picture is stored, information indicative of whether the management information is stored in said second storage unit, information indicative of whether the moving picture or the still picture is edited, information indicative of whether the management information is edited, and information indicative of whether backup of the management information is executed.

38. (New): An information storage apparatus set forth in Claim 37, wherein said third storage memory comprises nonvolatile memory.

39. (New): An information storage apparatus set forth in Claim 37, wherein the management information stored in said second storage unit is stored in said first storage unit after the moving picture or the still picture corresponding to said management information is stored in said first storage unit.

60779887 v1